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ABSTRACT

This publication summarizes the achievement results of the Austin (Texas) Independent School District (AISD) for grades 1-12 in reading and mathematics for 1975 through 1985. In 1975, the California Achievement Tests (CAT) were administered to students in grades 2, 4, 6, 7, 8, and 9. However, in 1976, the testing program was expanded to all grades, 1-12. Subsequently administered tests included the Iowa Tests of Basic Skills, Sequential Tests of Educational Progress, and Tests of Achievement and Proficiency. This report includes: (1) a summary tables of changes in median percentile scores; (2) context and background of the testing program; (3) a timeline of major events; (4) a comparison of AISD achievement by grade from 1975 through 1985; (5) achievement by ethnic groups; and (6) how the data were derived. In general, results showed that AISD students achieved at a higher level in 1985 than in 1975, with the greatest gains in grades 2-8. Also, when annual gains in grades 1-8 were compared for the five years before desegregation to the five years after desegregation, half of the grades gained more prior to desegregation, while half of the grades gained more after desegregation. At the high school level, gains tended to be greater prior to desegregation. (KSA)

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Research and Evaluation

ACHIEVEMENT IN AISD:

1975 THROUGH 1985

October, 1985

Austin Independent School District

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1975 THROUGH 1985

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TRENDS AND CONCLUSIONS

The tables on the following page summarize the changes in AISD student achievement from 1975-85. The tables show the gains for the first five years (prior to the implementation of the consent decree), the next five years, and the total. A timeline of major events with potential to impact achievement follows on page 5.

In summary. . .

1. AISD students are achieving at a higher level in 1985 than in 1975.

2. The greatest gains have occurred in grades 2-8.

3. When annual gains in grades 1-8 are compared for the five years before desegregation to the five years after desegregation, half of the grades gained more during the years prior to desegregation, while half of the grades gained more after desegregation. At the high school level, gains tended to be greater prior to desegregation.

Changes in AISD Median Percentile Scores

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985
1	-4	5	1	-2	8	6
2	8	7	15	7	8	15
3	4	5	9	7	8	15
4	15	2	17	9	3	12
5	16	3	19	4	4	8
6	9	5	14	16	2	18
7	4	4	8	13	1	14
8	2	9	11	4	8	12

* The first year of testing in grades 2, 4, 6, 7, and 8 was 1975.
In other grades, the first year was 1976.

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983
9	2	1	3	8	1	9
10	1	1	2	-3	2	-1
11	1	-1	0	8	-1	7
12	1	-4	-3	2	-3	-1

* The first year of testing in grade 9 was 1975.
In other grades, the first year was 1976.

NOTE: In grades 9-12, the STEP (which uses 1978 norms) was given in 1976 through 1983. Beginning in 1984, the TAP (1982 norms) has been given. Because there is no conversion from the STEP to the TAP, changes from 1981 were not examined beyond 1983.

CONTEXT AND BACKGROUND

The Austin Independent School District (AISD) annually administers standardized tests to assess the achievement levels of students. Test results have provided a consistent, reliable means of measuring the effectiveness of AISD's instructional methods and programs. This publication summarizes the districtwide achievement results for grades 1-12 in reading and mathematics for 1975 through 1985.

In 1975, the California Achievement Tests (CAT) were administered to students in grades 2, 4, 6, 7, 8, and 9, with the Department of Student Development coordinating the test administration throughout the District. In 1976, the testing program was expanded to all grades, 1-12. Beginning that year, the Office of Research and Evaluation assumed responsibility for achievement testing.

In grades 1-8, the CAT continued to be administered until 1980, when the Iowa Tests of Basic Skills (ITBS) replaced it. In grades 9-12, beginning in 1976, the Sequential Tests of Educational Progress (STEP) were administered until 1984, when the Tests of Achievement and Proficiency (TAP) replaced them for testing at the high school level.

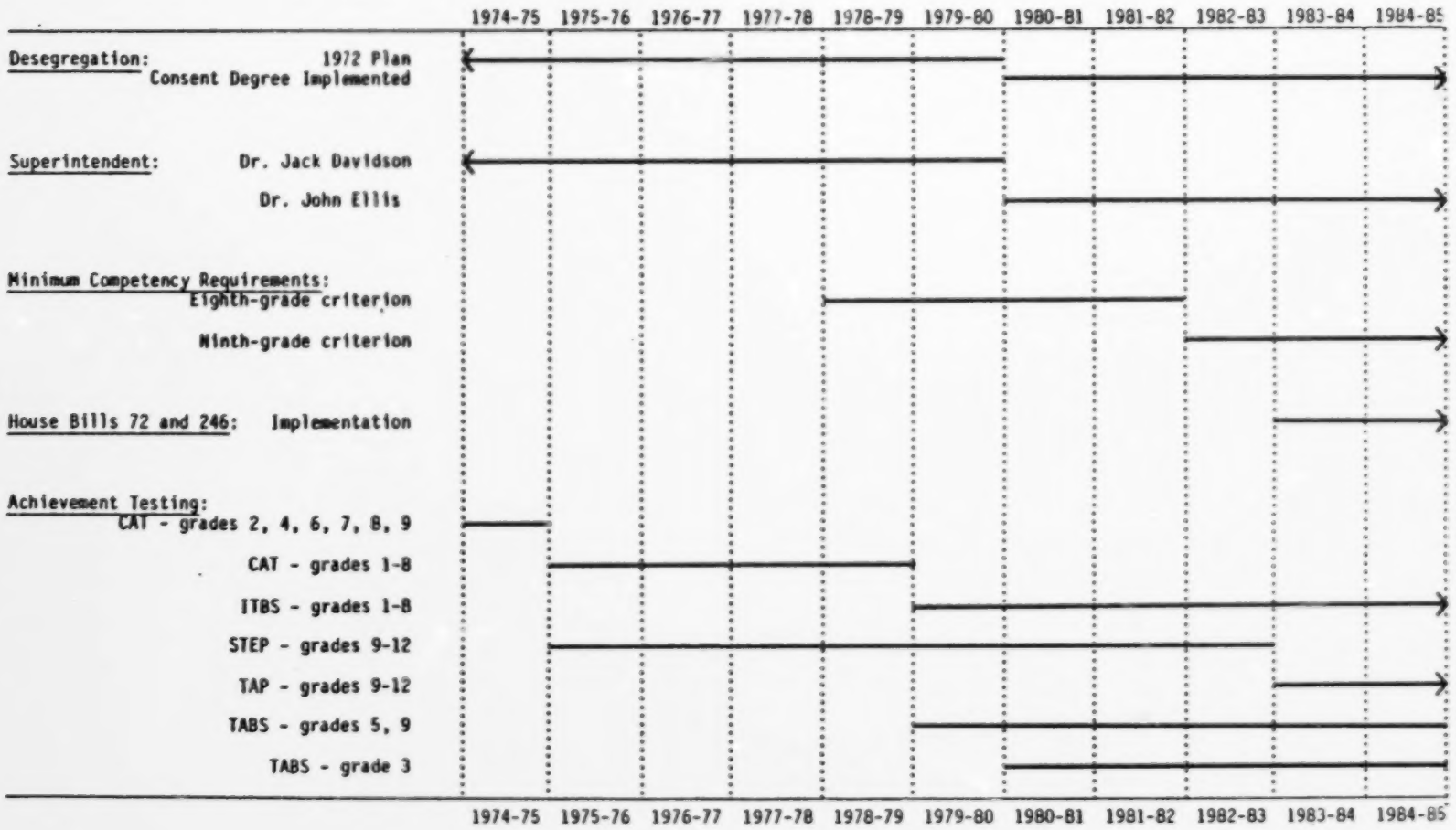
The following pages present AISD's reading and mathematics median percentiles since 1975. The AISD median percentile represents the percentage of students nationwide (the norm group) who scored lower than the average AISD student on the same test. For example, a median percentile of 60 indicates that AISD students scored higher than 60 percent of the students at that same grade level nationwide.

Because national achievement levels change with time, achievement tests are renormed every few years in order to represent more accurately the true achievement level of students. Wherever possible, the data contained in this publication have been converted to reflect 1982 norms. The most recent available norms were used in other cases. **The conversion process and the difference in norming years add an unknown degree of uncertainty to the interpretation of the results.**

The reader is also cautioned to be aware that there are higher achieving and lower achieving groups of students passing through the grades and this tends to complicate the interpretation of the results. For example, the group of students who were in grade 3 in 1980-81, in grade 4 in 1981-82, etc, consistently score lower than previous and subsequent groups.

Data in grades 1-8 have been converted to percentiles reflecting 1982 ITBS norms. Data for grades 9-12 are presented using 1970 CAT norms (for 1975), 1978 STEP norms (for 1976 through 1983), and 1982 TAP norms (for 1984 and later).

TIMELINE OF MAJOR EVENTS



Comparison of AISD Achievement, By Grade

1975 Through 1985

Comparison of AISD Achievement, Grade 1, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	---	63	63	63	63	59	61	62	62	64	64
CHANGE (from previous year)	---	---	0	0	0	-4	2	1	0	2	0
CHANGE (from baseline)	---	---	0	0	0	-4	-2	-1	-1	1	1

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	53	53	53	53	51	53	54	55	57	59
CHANGE (from previous year)	---	---	0	0	0	-2	2	1	1	2	2
CHANGE (from baseline)	---	---	0	0	0	-2	0	1	2	4	6

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 2, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	48	51	54	54	54	56	59	62	61	62	63
CHANGE (from previous year)	---	3	3	0	0	2	3	3	-1	1	1
CHANGE (from baseline)	---	3	6	6	6	8	11	14	13	14	15

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	43	50	54	56	56	50	50	52	55	56	58
CHANGE (from previous year)	---	7	4	2	0	-6	0	2	3	1	2
CHANGE (from baseline)	---	7	11	13	13	7	7	9	12	13	15

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 3, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	48	48	56	56	52	52	56	57	60	57
CHANGE (from previous year)	---	---	0	8	0	-4	0	4	1	3	-3
CHANGE (from baseline)	---	---	0	8	8	4	4	8	9	12	9

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	45	47	49	56	52	51	58	58	61	60
CHANGE (from previous year)	---	---	2	2	7	-4	-1	7	0	3	-1
CHANGE (from baseline)	---	---	2	4	11	7	6	13	13	16	15

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 4, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	37	37	41	43	51	52	50	48	52	52	54
CHANGE (from previous year)	---	0	4	2	8	1	-2	-2	4	0	2
CHANGE (from baseline)	---	0	4	6	14	15	13	11	15	15	17

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	44	45	51	53	56	53	50	50	53	56	56
CHANGE (from previous year)	---	1	6	2	3	-3	-3	0	3	3	0
CHANGE (from baseline)	---	1	7	9	12	9	6	6	9	12	12

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

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Comparison of AISD Achievement, Grade 5, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	32	36	42	47	48	52	50	49	51	51
CHANGE (from previous year)	---	---	4	6	5	1	4	-2	-1	2	0
CHANGE (from baseline)	---	---	4	10	15	16	20	18	17	19	19

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	46	46	49	55	50	52	52	51	53	54
CHANGE (from previous year)	---	---	0	3	6	-5	2	0	-1	2	1
CHANGE (from baseline)	---	---	0	3	9	4	6	6	5	7	8

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 6, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	38	38	38	39	41	47	51	54	53	51	52
CHANGE (from previous year)	---	0	0	1	2	6	4	3	-1	-2	1
CHANGE (from baseline)	---	0	0	1	3	9	13	16	15	13	14

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	35	43	43	48	61	51	53	54	54	53	53
CHANGE (from previous year)	---	8	0	5	13	-10	2	1	0	-1	0
CHANGE (from baseline)	---	8	8	13	26	16	18	19	19	18	18

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 7, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	42	42	42	42	42	46	50	51	54	53	50
CHANGE (from previous year)	---	0	0	0	0	4	4	1	3	-1	-3
CHANGE (from baseline)	---	0	0	0	0	4	8	9	12	11	8

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	36	40	40	44	47	49	52	53	55	54	50
CHANGE (from previous year)	---	4	0	4	3	2	3	1	2	-1	-4
CHANGE (from baseline)	---	4	4	8	11	13	16	17	19	18	14

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

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Comparison of AISD Achievement, Grade 8, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	43	43	43	43	43	45	49	52	53	55	54
CHANGE (from previous year)	---	0	0	0	0	2	4	3	1	2	-1
CHANGE (from baseline)	---	0	0	0	0	2	6	9	10	12	11

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	42	42	44	44	50	46	50	53	55	57	54
CHANGE (from previous year)	---	0	2	0	6	-4	4	3	2	2	-3
CHANGE (from baseline)	---	0	2	2	8	4	8	11	13	15	12

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

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Comparison of AISD Achievement, Grade 9, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	51	53	54	54	53	53	52	53	54	48	54
CHANGE (from previous year)	---	---	1	0	-1	0	-1	1	1	---	6
CHANGE (from baseline)	---	---	1	1	0	0	-1	0	1	---	6

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	47	61	61	56	55	55	55	56	56	53	55
CHANGE (from previous year)	---	---	0	-5	-1	0	0	1	0	---	2
CHANGE (from baseline)	---	---	0	-5	-6	-6	-6	-5	-5	---	2

* Because the STEP does not provide a Mathematics Total score, STEP scores reported are Mathematics Basic Concepts scores. CAT scores are Mathematics Total scores, while TAP scores are Mathematics scores.

TESTS USED: 1975, California Achievement Tests (CAT) (1970 norms). 1976 to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 10, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	49	51	52	52	50	49	51	51	52	61
CHANGE (from previous year)	---	---	2	1	0	-2	-1	2	0	---	9
CHANGE (from baseline)	---	---	2	3	3	1	0	2	2	---	9

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	59	59	57	56	56	56	56	58	56	59
CHANGE (from previous year)	---	---	0	-2	-1	0	0	0	2	---	3
CHANGE (from baseline)	---	---	0	-2	-3	-3	-3	-3	-1	---	3

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 11, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	52	53	53	52	53	51	52	52	55	60
CHANGE (from previous year)	---	---	1	0	-1	1	-2	1	0	---	5
CHANGE (from baseline)	---	---	1	1	0	1	-1	0	0	---	5

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	58	65	65	65	66	63	65	65	56	59
CHANGE (from previous year)	---	---	7	0	0	1	-3	2	0	---	3
CHANGE (from baseline)	---	---	7	7	7	8	5	7	7	---	3

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics Total scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 12, 1975-1985

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	53	54	51	53	54	52	50	50	45	55
CHANGE (from previous year)	---	---	1	-3	2	1	-2	-2	0	---	10
CHANGE (from baseline)	---	---	1	-2	0	1	-1	-3	-3	---	10

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	63	67	62	65	65	63	63	62	57	61
CHANGE (from previous year)	---	---	4	-5	3	0	-2	0	-1	---	4
CHANGE (from baseline)	---	---	4	-1	2	2	0	0	-1	---	4

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

ACHIEVEMENT IN AISD:

1975 THROUGH 1985

SUPPLEMENT: ACHIEVEMENT BY ETHNICITY

. Black and Hispanic student gains have been greater in the last five years compared to the previous five years.

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Changes in AISD Median Percentile Scores

Black Students

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985
1	-4	5	1	-7	5	-2
2	7	10	17	1	11	12
3	10	13	23	16	16	32
4	8	12	20	9	12	21
5	11	13	24	9	9	18
6	4	15	19	3	11	14
7	1	16	17	5	13	18
8	1	17	18	0	15	15

* The first year of testing in grades 2, 4, 6, 7, and 8 was 1975.
In other grades, the first year was 1976.

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983
9	4	4	8	-2	6	4
10	3	1	4	-4	1	-3
11	5	0	5	7	7	14
12	1	0	1	8	3	11

* The first year of testing in grade 9 was 1975.
In other grades, the first year was 1976.

NOTE: In grades 9-12, the STEP (which uses 1978 norms) was given in 1976 through 1983. Beginning in 1984, the TAP (1982 norms) has been given. Because there is no conversion from the STEP to the TAP, changes from 1981 were not examined beyond 1983.

Changes in AISD Median Percentile Scores

Hispanic Students

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985
1	-2	8	6	-3	9	6
2	7	14	21	1	13	14
3	8	14	22	10	17	27
4	11	12	23	9	12	21
5	14	13	27	10	11	21
6	7	15	22	3	11	14
7	4	15	19	9	12	21
8	4	15	19	4	12	16

* The first year of testing in grades 2, 4, 6, 7, and 8 was 1975.
In other grades, the first year was 1976.

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983
9	7	1	8	1	0	1
10	2	3	5	-1	2	1
11	3	0	3	4	0	4
12	7	-5	2	8	-1	7

* The first year of testing in grade 9 was 1975.
In other grades, the first year was 1976.

NOTE: In grades 9-12, the STEP (which uses 1978 norms) was given in 1976 through 1983. Beginning in 1984, the TAP (1982 norms) has been given. Because there is no conversion from the STEP to the TAP, changes from 1981 were not examined beyond 1983.

Changes in AISD Median Percentile Scores

Anglo/Other Students

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985	Change from first year* to 1980	Change from 1980 to 1985	Change from first year* to 1985
1	11	3	14	3	9	12
2	12	6	18	5	8	13
3	4	5	9	3	5	8
4	9	1	10	6	2	8
5	14	4	18	8	4	12
6	10	5	15	3	2	5
7	7	4	11	7	-2	5
8	1	6	7	8	5	13

* The first year of testing in grades 2, 4, 6, 7, and 8 was 1975.
In other grades, the first year was 1976.

Grade	READING			MATHEMATICS		
	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983	Change from first year* to 1980	Change from 1980 to 1983	Change from first year* to 1983
9	1	-1	0	1	-1	0
10	3	1	4	0	1	1
11	2	0	2	6	0	6
12	1	-1	0	4	0	4

* The first year of testing in grade 9 was 1975.
In other grades, the first year was 1976.

NOTE: In grades 9-12, the STEP (which uses 1978 norms) was given in 1976 through 1983. Beginning in 1984, the TAP (1982 norms) has been given. Because there is no conversion from the STEP to the TAP, changes from 1981 were not examined beyond 1983.

Comparison of AISD Achievement, Grade 1, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	---	47	**	51	**	43	44	44	49	48	48
CHANGE (from previous year)	---	---	---	4	---	-8	1	0	5	-1	0
CHANGE (from baseline)	---	---	---	4	---	-4	-3	-3	2	1	1

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	41	41	41	41	34	33	36	37	38	39
CHANGE (from previous year)	---	---	0	0	0	-7	-1	3	1	1	1
CHANGE (from baseline)	---	---	0	0	0	-7	-8	-5	-4	-3	-2

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 2, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	**	29	**	34	**	36	38	45	46	50	46
CHANGE (from previous year)	---	---	---	5	---	2	2	7	1	4	-4
CHANGE (from baseline)	---	---	---	5	---	7	9	16	17	21	17

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	**	31	33	33	38	32	30	35	35	42	43
CHANGE (from previous year)	---	---	2	0	5	-6	-2	5	0	7	1
CHANGE (from baseline)	---	---	2	2	7	1	-1	4	4	11	12

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 3, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	16	24	30	32	26	32	35	39	42	39
CHANGE (from previous year)	---	---	8	6	2	-6	6	3	4	3	-3
CHANGE (from baseline)	---	---	8	14	16	10	16	19	23	26	23

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	13	23	23	31	29	31	35	41	38	45
CHANGE (from previous year)	---	---	10	0	8	-2	2	4	6	-3	7
CHANGE (from baseline)	---	---	10	10	18	16	18	22	28	25	32

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

85.24

Comparison of AISD Achievement, Grade 4, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	13	16	17	25	21	23	30	31	34	33
CHANGE (from previous year)	---	---	3	1	8	-4	2	7	1	3	-1
CHANGE (from baseline)	---	---	3	4	12	8	10	17	18	21	20

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	16	23	25	35	25	30	32	32	36	37
CHANGE (from previous year)	---	---	7	2	10	-10	5	2	0	4	1
CHANGE (from baseline)	---	---	7	9	19	9	14	16	16	20	21

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 5, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	11	11	11	18	22	23	25	28	32	35
CHANGE (from previous year)	---	---	0	0	7	4	1	2	3	4	3
CHANGE (from baseline)	---	---	0	0	7	11	12	14	17	21	24

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	17	18	17	28	26	28	32	33	35	35
CHANGE (from previous year)	---	---	1	-1	11	-2	2	4	1	2	0
CHANGE (from baseline)	---	---	1	0	11	9	11	15	16	18	18

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 6, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	13	13	14	14	17	23	24	28	28	32
CHANGE (from previous year)	---	---	0	1	0	3	6	1	4	0	4
CHANGE (from baseline)	---	---	0	1	1	4	10	11	15	15	19

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	19	27	29	34	22	24	27	32	31	33
CHANGE (from previous year)	---	---	8	2	5	-12	2	3	5	-1	2
CHANGE (from baseline)	---	---	8	10	15	3	5	8	13	12	14

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 7, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	15	15	20	16	16	22	26	30	33	32
CHANGE (from previous year)	---	---	0	5	-4	0	6	4	4	3	-1
CHANGE (from baseline)	---	---	0	5	1	1	7	11	15	18	17

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	14	15	19	19	19	28	27	32	33	32
CHANGE (from previous year)	---	---	1	4	0	0	9	-1	5	1	-1
CHANGE (from baseline)	---	---	1	5	5	5	14	13	18	19	18

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 8, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	15	15	15	17	16	20	24	26	28	33
CHANGE (from previous year)	---	---	0	0	2	-1	4	4	2	2	5
CHANGE (from baseline)	---	---	0	0	2	1	5	9	11	13	18

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	17	17	20	23	17	22	28	28	31	32
CHANGE (from previous year)	---	---	0	3	3	-6	5	6	0	3	1
CHANGE (from baseline)	---	---	0	3	6	0	5	11	11	14	15

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 9, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	**	32	32	37	36	36	37	37	40	26	29
CHANGE (from previous year)	---	---	0	5	-1	0	1	0	3	---	3
CHANGE (from baseline)	---	---	0	5	4	4	5	5	8	---	3

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	**	32	32	32	29	30	30	30	36	24	25
CHANGE (from previous year)	---	---	0	0	-3	1	0	0	6	---	1
CHANGE (from baseline)	---	---	0	0	-3	-2	-2	-2	4	---	1

* Because the STEP does not provide a Mathematics Total score, STEP scores reported are Mathematics Basic Concepts scores. CAT scores are Mathematics Total scores, while TAP scores are Mathematics scores.

** Data unavailable by ethnicity.

TESTS USED: 1975, California Achievement Tests (CAT) (1970 norms). 1976 to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 10, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	31	33	33	34	34	34	38	35	24	39
CHANGE (from previous year)	---	---	?	0	1	0	0	4	-3	---	15
CHANGE (from baseline)	---	---	2	2	3	3	3	7	4	---	15

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	33	33	26	29	29	29	31	30	31	36
CHANGE (from previous year)	---	---	0	-7	3	0	0	2	-1	---	5
CHANGE (from baseline)	---	---	0	-7	-4	-4	-4	-2	-3	---	5

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 11, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	32	35	36	35	37	35	37	37	25	29
CHANGE (from previous year)	---	---	3	1	-1	2	-2	2	0	---	4
CHANGE (from baseline)	---	---	3	4	3	5	3	5	5	---	4

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	28	32	32	31	35	32	38	42	24	29
CHANGE (from previous year)	---	---	4	0	-1	4	-3	6	4	---	5
CHANGE (from baseline)	---	---	4	4	3	7	4	10	14	---	5

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

85.24

Comparison of AISD Achievement, Grade 12, 1975-1985

Black Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	32	31	34	33	33	34	32	33	22	24
CHANGE (from previous year)	---	---	-1	3	-1	0	1	-2	1	---	2
CHANGE (from baseline)	---	---	-1	2	1	1	2	0	1	---	2

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	25	36	36	34	33	39	37	36	28	28
CHANGE (from previous year)	---	---	11	0	-2	-1	6	-2	-1	---	0
CHANGE (from baseline)	---	---	11	11	9	8	14	12	11	---	0

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 1, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	---	47	**	47	**	45	43	47	48	50	53
CHANGE (from previous year)	---	---	---	0	---	-2	-2	4	1	2	3
CHANGE (from baseline)	---	---	---	0	---	-2	-4	0	1	3	6

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	41	41	41	44	38	40	41	44	44	47
CHANGE (from previous year)	---	---	0	0	3	-6	2	1	3	0	3
CHANGE (from baseline)	---	---	0	0	3	-3	-1	0	3	3	6

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 2, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	**	29	**	34	**	36	44	47	48	49	50
CHANGE (from previous year)	---	---	---	5	---	2	8	3	1	1	1
CHANGE (from baseline)	---	---	---	5	---	7	15	18	19	20	21

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	**	33	33	38	41	34	40	41	45	47	47
CHANGE (from previous year)	---	---	0	5	3	-7	6	1	4	2	0
CHANGE (from baseline)	---	---	0	5	8	1	7	8	12	14	14

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 3, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	23	24	28	32	31	33	44	45	47	45
CHANGE (from previous year)	---	---	1	4	4	-1	2	11	1	2	-2
CHANGE (from baseline)	---	---	1	5	9	8	10	21	22	24	22

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	23	23	31	32	33	34	49	48	52	50
CHANGE (from previous year)	---	---	0	8	1	1	1	15	-1	4	-2
CHANGE (from baseline)	---	---	0	8	9	10	11	26	25	29	27

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 4, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	16	17	19	25	27	28	28	37	40	39
CHANGE (from previous year)	---	---	1	2	6	2	1	0	9	3	-1
CHANGE (from baseline)	---	---	1	3	9	11	12	12	21	24	23

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	25	28	32	41	34	34	36	42	45	46
CHANGE (from previous year)	---	---	3	4	9	-7	0	2	6	3	1
CHANGE (from baseline)	---	---	3	7	16	9	9	11	17	20	21

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 5, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	11	11	15	20	25	29	30	34	37	38
CHANGE (from previous year)	---	---	0	4	5	5	4	1	4	3	1
CHANGE (from baseline)	---	---	0	4	9	14	18	19	23	26	27

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	23	24	29	34	33	35	38	39	42	44
CHANGE (from previous year)	---	---	1	5	5	-1	2	3	1	3	2
CHANGE (from baseline)	---	---	1	6	11	10	12	15	16	19	21

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 6, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	14	14	14	16	21	27	30	32	33	36
CHANGE (from previous year)	---	---	0	0	2	5	6	3	2	1	3
CHANGE (from baseline)	---	---	0	0	2	7	13	16	18	19	22

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	27	29	30	35	30	34	36	37	41	41
CHANGE (from previous year)	---	---	2	1	5	-5	4	2	1	4	0
CHANGE (from baseline)	---	---	2	3	8	3	7	9	10	14	14

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 7, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	16	20	21	23	20	26	30	33	36	35
CHANGE (from previous year)	---	---	4	1	2	-3	6	4	3	3	-1
CHANGE (from baseline)	---	---	4	5	7	4	10	14	17	20	19

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	19	20	24	30	28	34	36	38	38	40
CHANGE (from previous year)	---	---	1	4	6	-2	6	2	2	0	2
CHANGE (from baseline)	---	---	1	5	11	9	15	17	19	19	21

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 8, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	17	17	17	21	21	24	28	32	36	36
CHANGE (from previous year)	---	---	0	0	4	0	3	4	4	4	0
CHANGE (from baseline)	---	---	0	0	4	4	7	11	15	19	19

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	23	20	24	28	27	30	34	37	41	39
CHANGE (from previous year)	---	---	-3	4	4	-1	3	4	3	4	-2
CHANGE (from baseline)	---	---	-3	1	5	4	7	11	14	18	16

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 9, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	**	36	36	37	37	43	39	43	44	29	36
CHANGE (from previous year)	---	---	0	1	0	6	-4	4	1	---	7
CHANGE (from baseline)	---	---	0	1	1	7	3	7	8	---	7

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	**	38	38	32	32	39	37	39	39	29	32
CHANGE (from previous year)	---	---	0	-6	0	7	-2	2	0	---	3
CHANGE (from baseline)	---	---	0	-6	-6	1	-1	1	1	---	3

* Because the STEP does not provide a Mathematics Total score, STEP scores reported are Mathematics Basic Concepts scores. CAT scores are Mathematics Total scores, while TAP scores are Mathematics scores.

** Data unavailable by ethnicity.

TESTS USED: 1975, California Achievement Tests (CAT) (1970 norms). 1976 to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 10, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	36	36	38	39	38	39	39	41	34	43
CHANGE (from previous year)	---	---	0	2	1	-1	1	0	2	---	9
CHANGE (from baseline)	---	---	0	2	3	2	3	3	5	---	9

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	42	42	40	37	41	41	43	43	41	44
CHANGE (from previous year)	---	---	0	-2	-3	4	0	2	0	---	3
CHANGE (from baseline)	---	---	0	-2	-5	-1	-1	1	1	---	3

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 11, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	37	39	39	38	40	38	40	40	32	39
CHANGE (from previous year)	---	---	2	0	-1	2	-2	2	0	---	7
CHANGE (from baseline)	---	---	2	2	1	3	1	3	3	---	7

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	40	43	43	41	44	42	44	44	39	42
CHANGE (from previous year)	---	---	3	0	-2	3	-2	2	0	---	3
CHANGE (from baseline)	---	---	3	3	1	4	2	4	4	---	3

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 12, 1975-1985

Hispanic Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	35	39	37	35	42	38	36	37	27	31
CHANGE (from previous year)	---	---	4	-2	-2	7	-4	-2	1	---	4
CHANGE (from baseline)	---	---	4	2	0	7	3	1	2	---	4

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	36	43	40	42	44	43	40	43	35	42
CHANGE (from previous year)	---	---	7	-3	2	2	-1	-3	3	---	7
CHANGE (from baseline)	---	---	7	4	6	8	7	4	7	---	7

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 1, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	---	63	**	70	**	74	78	77	76	77	77
CHANGE (from previous year)	---	---	---	7	---	4	4	-1	-1	1	0
CHANGE (from baseline)	---	---	---	7	---	11	15	14	13	14	14

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	61	63	61	63	64	69	69	68	71	73
CHANGE (from previous year)	---	---	2	-2	2	1	5	0	-1	3	2
CHANGE (from baseline)	---	---	2	0	2	3	8	8	7	10	12

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 2, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING* AVERAGE (median percentile)	**	60	**	69	**	72	76	77	78	76	78
CHANGE (from previous year)	---	---	---	9	---	3	4	1	1	-2	2
CHANGE (from baseline)	---	---	---	9	---	12	16	17	18	16	18

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	**	58	60	60	60	63	66	66	69	67	71
CHANGE (from previous year)	---	---	2	0	0	3	3	0	3	-2	4
CHANGE (from baseline)	---	---	2	2	2	5	8	8	11	9	13

* Because Reading Total scores were unavailable for comparison, Reading Comprehension scores are reported here.

** Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 3, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	62	69	71	71	66	69	71	72	73	71
CHANGE (from previous year)	---	---	7	2	0	-5	3	2	1	1	-2
CHANGE (from baseline)	---	---	7	9	9	4	7	9	10	11	9

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	63	65	65	70	66	66	72	71	74	71
CHANGE (from previous year)	---	---	2	0	5	-4	0	6	-1	3	-3
CHANGE (from baseline)	---	---	2	2	7	3	3	9	8	11	8

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 4, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	61	64	64	69	70	69	65	69	71	71
CHANGE (from previous year)	---	---	3	0	5	1	-1	-4	4	2	0
CHANGE (from baseline)	---	---	3	3	8	9	8	4	8	10	10

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	62	63	63	65	68	65	64	67	70	70
CHANGE (from previous year)	---	---	1	0	2	3	-3	-1	3	3	0
CHANGE (from baseline)	---	---	1	1	3	6	3	2	5	8	8

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 5, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	53	53	58	58	67	72	70	68	71	71
CHANGE (from previous year)	---	---	0	5	0	9	5	-2	-2	3	0
CHANGE (from baseline)	---	---	0	5	5	14	19	17	15	18	18

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	---	56	62	62	63	64	69	68	66	68	68
CHANGE (from previous year)	---	---	6	0	1	1	5	-1	-2	2	0
CHANGE (from baseline)	---	---	6	6	7	8	13	12	10	12	12

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

Comparison of AISD Achievement, Grade 6, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	55	55	58	62	65	70	71	70	69	70
CHANGE (from previous year)	---	---	0	3	4	3	5	1	-1	-1	1
CHANGE (from baseline)	---	---	0	3	7	10	15	16	15	14	15

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	64	65	68	74	67	68	69	69	69	69
CHANGE (from previous year)	---	---	1	3	6	-7	1	1	0	0	0
CHANGE (from baseline)	---	---	1	4	10	3	4	5	5	5	5

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

85.24

Comparison of AISD Achievement, Grade 7, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	56	56	59	59	63	66	67	71	70	67
CHANGE (from previous year)	---	---	0	3	0	4	3	1	4	-1	-3
CHANGE (from baseline)	---	---	0	3	3	7	10	11	15	14	11

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	59	59	64	68	66	67	68	69	70	64
CHANGE (from previous year)	---	---	0	5	4	-2	1	1	1	1	-6
CHANGE (from baseline)	---	---	0	5	9	7	8	9	10	11	5

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

85.24

Comparison of AISD Achievement, Grade 8, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	*	64	66	68	68	65	68	70	70	72	71
CHANGE (from previous year)	---	---	2	2	0	-3	3	2	0	2	-1
CHANGE (from baseline)	---	---	2	4	4	1	4	6	6	8	7

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS AVERAGE (median percentile)	*	56	62	62	63	64	68	69	71	71	69
CHANGE (from previous year)	---	---	6	0	1	1	4	1	2	0	-2
CHANGE (from baseline)	---	---	6	6	7	8	12	13	15	15	13

* Data unavailable by ethnicity.

TESTS USED: Prior to 1980, California Achievement Tests (CAT)
1980 and later years, Iowa Tests of Basic Skills (ITBS)

NOTE: Scores prior to 1980 were converted through a multiple-step process to 1982 ITBS norms. This conversion adds an unknown degree of inaccuracy to the data.

85.24

Comparison of AISD Achievement, Grade 9, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	**	64	64	66	63	65	63	64	64	67	70
CHANGE (from previous year)	---	---	0	2	-3	2	-2	1	0	---	3
CHANGE (from baseline)	---	---	0	2	-1	1	-1	0	0	---	3

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	**	70	74	70	65	71	70	71	70	71	72
CHANGE (from previous year)	---	---	4	-4	-5	6	-1	1	-1	---	1
CHANGE (from baseline)	---	---	4	0	-5	1	0	1	0	---	1

* Because the STEP does not provide a Mathematics Total score, STEP scores reported are Mathematics Basic Concepts scores. CAT scores are Mathematics Total scores, while TAP scores are Mathematics scores.

** Data unavailable by ethnicity.

TESTS USED: 1975, California Achievement Tests (CAT) (1970 norms). 1976 to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 10, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	58	62	62	60	61	59	61	62	67	74
CHANGE (from previous year)	---	---	4	0	-2	1	-2	2	1	---	7
CHANGE (from baseline)	---	---	4	4	2	3	1	3	4	---	7

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	72	72	72	71	72	72	72	73	70	74
CHANGE (from previous year)	---	---	0	0	-1	1	0	0	1	---	4
CHANGE (from baseline)	---	---	0	0	-1	0	0	0	1	---	4

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

85.24

Comparison of AISD Achievement, Grade 11, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	57	59	59	58	59	59	59	59	65	73
CHANGE (from previous year)	---	---	2	0	-1	1	0	0	0	---	8
CHANGE (from baseline)	---	---	2	2	1	2	2	2	2	---	8

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	71	76	72	76	77	77	77	77	67	69
CHANGE (from previous year)	---	---	5	-4	4	1	0	0	0	---	2
CHANGE (from baseline)	---	---	5	1	5	6	6	6	6	---	2

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Comparison of AISD Achievement, Grade 12, 1975-1985

Anglo/Other Students

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
READING AVERAGE (median percentile)	---	57	60	57	57	58	56	57	57	59	67
CHANGE (from previous year)	---	---	3	-3	0	1	-2	1	0	---	8
CHANGE (from baseline)	---	---	3	0	0	1	-1	0	0	---	8

Year of Testing:	75	76	77	78	79	80	81	82	83	84	85
MATHEMATICS* AVERAGE (median percentile)	---	72	81	75	76	76	76	81	76	69	71
CHANGE (from previous year)	---	---	9	-6	1	0	0	5	-5	---	2
CHANGE (from baseline)	---	---	9	3	4	4	4	9	4	---	2

* Because the STEP does not provide Mathematics Total scores, STEP scores reported are Mathematics Basic Concepts scores. TAP scores are Mathematics scores.

TESTS USED: Prior to 1984, Sequential Tests of Educational Progress (STEP) (1978 norms). 1984 and later years, Tests of Achievement and Proficiency (TAP) (1982 norms).

Technical Appendix A: HOW THE DATA WERE DERIVED

This technical appendix documents where the data contained in this report and its supplement were initially found and the steps that were used to convert the scores to the most recent norms available or appropriate.

A. Grades 1-8:

1. Except for grades 1 and 2 Reading Comprehension scores, 1975 CAT median grade equivalents (GE's) were calculated using the frequency distribution printouts from the testing, then converted to percentiles (1970 norms) using the appropriate CAT Examiner's Manual. Median percentiles for 1976-1979 (CAT 1970 norms), 1980 (ITBS 1982 norms), and 1981-1985 (ITBS 1982 norms) were obtained from ORE Publications 80.13, 83.52, and 84.61, respectively.

   Grades 1 and 2 Reading Comprehension: (Because the ITBS/CAT equating study (used later) provides no conversion for grades 1 and 2 Reading Total scores, Reading Comprehension scores are utilized instead of Reading Total scores.) The 1975-1977 median percentiles were obtained from ORE Publication 76.69. Data for 1978, 1979, 1980, and 1981-1985 were found in ORE Publications 77.53, 78.45, 83.52, and 84.61, respectively.

2. 1975-1979 median percentiles were then converted from CAT 1970 norms to ITBS 1978 norms using the conversion tables constructed by ORE from the ITBS/CAT equating study done in spring, 1980. These tables are contained in ORE Publication 80.04.

3. 1975-1979 median percentiles were converted from ITBS 1978 norms to ITBS 1982 norms using two methods:

   - Grades 1 and 2 Reading Comprehension: Tables contained in the ITBS Level 7/8 Teacher's Guide were used to convert scores from 1978 norms to 1982 norms.

   - An alternative method was required to convert median Reading Total and Mathematics Total scores from 1978 to 1982 norms. Because ITBS Reading and Mathematics Total scores are obtained by averaging the GE's on the subtests, and then using a table to convert the "Total" GE to the corresponding percentile score, there is no absolute raw score-to-percentile relationship; i.e., the same raw score can be associated with multiple Total grade equivalent scores depending on the number of points contributed by the various subtests. Consequently, a cross-tabulation procedure was necessary to convert "Total" scores from 1978 norms to 1982 norms. A

cross-tabulation computer program was used to match students' percentile scores using 1978 norms with their percentile scores using 1982 norms. Utilizing the printout displaying the resulting distribution of scores, the median "1982" score correlating with the appropriate "1978" score was calculated. The "1982" score was reported in this publication.

B. Grades 9-12:

1. The grade 9 1975 CAT median GE's for Reading and Mathematics Totals were calculated using the frequency distribution printout from the testing, then converted to percentiles (1970 norms) using the CAT Level 5 Examiner's Manual. Because the ITBS/CAT equating study (80.04) did not provide data beyond grade 8, these CAT percentiles (using 1970 norms) were reported in this publication (85.24).

2. Median percentiles (STEP 1970 norms) for 1976-1978 were obtained from ORE Publication 79.49. Using the conversion tables in ORE Publication 81.G, the 1976-1978 medians were converted to STEP 1978 norms, and reported in this publication (85.24).

3. Median percentiles (STEP 1982 norms) for 1979-1983 were obtained in ORE Publication 82.89. Medians for 1984 and 1985 (TAP 1982 norms) were found in ORE Publication 84.61.

Data Reported By Ethnicity

Data reported by ethnicity in the Supplemental Report for ORE Publication 85.24 were obtained from a variety of sources. Some data were unavailable, apparently never having been compiled or reported by ethnicity. Ethnic data for each grade were obtained from the same sources and converted in the same manner indicated above for the total group (all ethnic groups combined), except:

- Grades 1 and 2 Reading Comprehension 1976 and 1978 medians were obtained from ORE Publications 77.60 and 77.53, respectively.

- Grades 3-8 Reading Total and grades 1-8 Mathematics Total medians for 1976-1979 were found in ORE Publication 78.45.

Technical Appendix B: ANOTHER PERSPECTIVE

Traditionally, annual achievement data have been presented cross-sectionally as in this report. An alternative approach is to follow the achievement of students at consecutive grades across the years, i.e., to compare students at a grade in one year with students at the next highest grade the following year. This would be quasi-longitudinal in that the students at a grade one year would not be identical to the students at the next grade the following year. This approach has the "advantage" over our "matched group" comparisons reported in the achievement profiles volume in that a greater number of students compared for any two adjacent years probably better represents the achievement gains between those years than the gain shown by the matched groups that only contain students who have been in the District and tested for multiple years, five for example. The number of students with scores across multiple years can be substantially lower than the number tested any one year.

Figure B-1 shows the one-year longitudinal changes in median reading percentiles across the time that data are available. Figure B-2 provides the same results for mathematics.

Figures B-3 and B-4 provide the median percentiles for all grades for all years. This format allows both longitudinal and cross-sectional comparisons to be made with ease from the same data source.

READING

One-Year Span Compared	Grade Change										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1976-77	-9	-3	-7	-1	6	4	1	---	-2	4	2
1977-78	-9	2	-5	1	3	4	1	---	-2	2	-2
1978-79	-9	2	-5	4	-1	3	1	---	-2	0	0
1979-80	-7	-2	-4	-3	0	5	3	---	-3	1	2
1980-81	0	-4	-2	0	3	3	3	---	-4	1	-1
1981-82	1	-3	-4	0	2	0	2	---	-1	3	-1
1982-83	-1	-5	-4	1	3	0	2	---	-2	1	-2
1983-84	0	-1	-5	-1	2	0	1	---	---	---	---
1984-85	-1	-5	-6	-1	1	-1	1	---	13	8	0

Figure B-1. ONE-YEAR PERCENTILE CHANGES IN AISD ACHIEVEMENT, 1976 THROUGH 1985

MATHEMATICS

One-Year Span Compared	Grade Change										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1976-77	1	-3	6	1	-3	-3	4	---	-2	6	9
1977-78	3	-5	6	-2	2	1	4	---	-4	6	-3
1978-79	3	0	5	2	12	-1	6	---	0	8	0
1979-80	-3	-4	-3	-6	-4	-12	-1	---	1	10	0
1980-81	-1	1	-2	-1	3	1	1	---	1	7	-3
1981-82	-1	8	-1	2	2	0	1	---	1	9	0
1982-83	1	6	-5	1	2	1	2	---	2	9	-3
1983-84	1	6	-2	0	2	0	2	---	---	---	---
1984-85	1	4	-5	-2	0	-3	0	---	6	3	5

Figure B-2. ONE-YEAR PERCENTILE CHANGES IN AISD ACHIEVEMENT, 1976 THROUGH 1985

READING

Year In	Grade												Year of
First Grade	1	2	3	4	5	6	7	8	9	10	11	12	Test
1965												53	1976
1966											52	54	1977
1967										49	53	51	1978
1968									53	51	53	53	1979
1969								43	54	52	52	54	1980
1970							42	43	54	52	53	52	1981
1971						38	42	43	53	50	51	50	1982
1972					32	38	42	43	53	49	52	50	1983
1973				37	36	39	42	45	52	51	52	45	1984
1974			48	41	42	41	46	49	53	51	55	55	1985
1975		51	48	43	47	47	50	52	54	52	60		
1976	63	54	56	51	48	51	51	53	48	61			
1977	63	54	56	52	52	54	54	55	54				
1978	63	54	52	50	50	53	53	54					
1979	63	56	52	48	49	51	50						
1980	59	59	56	52	51	52							
1981	61	62	57	52	51								
1982	62	61	60	54									
1983	62	62	57										
1984	64	63											
1985	64												

Figure B-3. SUMMARY TABLE OF ACHIEVEMENT IN AISD, 1976 THROUGH 1985: READING

Note: For a longitudinal perspective, follow the data horizontally across the page, using the "Year in First Grade" column to identify which group of students is being tracked over the years.

For more of a cross-sectional perspective, use the "Year of Test" column to identify the year the test was administered, then follow the diagonal to see the data for all grades for that year.

MATHEMATICS

Year In	Grade												Year of
First Grade	1	2	3	4	5	6	7	8	9	10	11	12	Test
1965												63	1976
1966											58	67	1977
1967										59	65	62	1978
1968									61	59	65	65	1979
1969								42	61	57	65	65	1980
1970							40	44	56	56	66	63	1981
1971						43	40	44	55	56	63	63	1982
1972					46	43	44	50	55	56	65	62	1983
1973				45	46	48	47	46	55	56	65	57	1984
1974			45	51	49	61	49	50	56	58	56	61	1985
1975		50	47	53	55	51	52	53	56	56	59		
1976	53	54	49	56	50	53	53	55	53	59			
1977	53	56	56	53	52	54	55	57	55				
1978	53	56	52	50	52	54	54	54					
1979	53	50	51	50	51	53	50						
1980	51	50	58	53	53	53							
1981	53	52	58	56	54								
1982	54	55	61	56									
1983	55	56	60										
1984	57	58											
1985	59												

Figure B-4. SUMMARY TABLE OF ACHIEVEMENT IN AISD, 1976 THROUGH 1985: MATHEMATICS

Note: For a longitudinal perspective, follow the data horizontally across the page, using the "Year in First Grade" column to identify which group of students is being tracked over the years.

For more of a cross-sectional perspective, use the "Year of Test" column to identify the year the test was administered, then follow the diagonal to see the data for all grades for that year.

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